

WHAT IS CLAIMED IS:

1. A laminated inductor comprising:
a laminated body including a plurality of insulation layers and a plurality of spiral coil conductor patterns having at least one turn and being stacked on each other in a lamination direction with the insulation layers being disposed therebetween; wherein
the plurality of coil conductor patterns are electrically connected to define a coil, and wherein the coil includes at least two kinds of the coil conductor patterns which have a different number of turns.
2. A laminated inductor according to claim 1, wherein the coil conductor patterns are electrically connected in series through via holes provided either at a first location or at a second location of the insulation layers.
3. A laminated inductor according to claim 1, wherein the coil conductor patterns having a greater number of turns are arranged at an outer portion of said laminated body so as to sandwich the coil conductor patterns having a smaller number of turns in the lamination direction of the insulation layers.
4. A laminated inductor according to claim 1, wherein the coil conductor patterns having a smaller number of turns are arranged at an outer portion of said laminated body so as to sandwich the coil conductor patterns having a greater number of turns in the lamination direction of the insulation layers.
5. A laminated inductor according to claim 1, wherein the coil conductor patterns are arranged in an ascending order starting with a coil conductor pattern having a smaller number of turns in the lamination direction of the insulation layers.
6. A laminated inductor according to claim 1, wherein a plurality of laminated portions, in each of which the coil conductor patterns are arranged in an ascending order starting with a coil conductor pattern having a smaller number of turns, are laminated in the lamination direction of the insulation layers.
7. A laminated inductor according to claim 1, wherein a pattern width of the coil conductor pattern of one turn is substantially equal to a total pattern width which is defined by plural pattern widths of a plurality of turns of a coil conductor pattern and a gap between adjacent turns.

8. A laminated inductor according to claim 2, wherein said first location is located inside of said spiral coil conductor pattern and said second location is located outside thereof.

9. A laminated inductor according to claim 1, wherein the coil includes at least three kinds of the coil conductor patterns each having a different number of turns.

10. A laminated inductor according to claim 1, wherein the coil includes a coil conductor pattern of one turn and a coil conductor pattern of two turns.

11. A laminated inductor according to claim 1, wherein the coil includes a coil conductor pattern of one turn, a coil conductor pattern of two turns, and a coil conductor pattern of three turns.

12. A laminated inductor according to claim 10, wherein the coil including a coil conductor pattern of one turn is disposed on a different insulating layer than the coil conductor pattern of two turns.

13. A laminated inductor according to claim 10, wherein the coil conductor pattern of one turn is disposed in a middle portion of the laminated body and the coil conductor pattern of two turns is disposed in an outer portion of the laminated body.

14. A laminated inductor according to claim 1, wherein the at least two kinds of the coil conductor patterns which have a different number of turns are arranged such that, when viewed from above, the coil conductor patterns substantially lie one on top of another.

15. A laminated inductor according to claim 1, wherein the at least two kinds of the coil conductor patterns which have a different number of turns are arranged such that the coil conductor patterns constitute a coil having a coil axis which is substantially parallel to the lamination direction.

16. A laminated inductor according to claim 1, further comprising cover insulating layers disposed on a top surface and a bottom surface of the laminated body, the cover insulating layers not having any conductor patterns provided thereon.

17. A laminated inductor according to claim 1, wherein the coil conductor patterns having a smaller number of turns are disposed on the upper and lower surfaces of the coil conductor patterns having a larger number of turns.

18. A laminated inductor according to claim 1, wherein the plurality of coil conductor patterns are electrically connected in series.

19. A laminated inductor according to claim 1, wherein the plurality of coil conductor patterns are electrically connected in parallel.